



Geek of the Week Adam Smiley
Senior, E.E.
"I felt [CSM] was a place where I
could be a dork and it wouldn't be
out of the ordinary." **PAGE 4**

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ASCSM begins year with ambitious goal set

David Vargas
Staff Writer

The Associated Students of the Colorado School of Mines held their first meeting last Thursday; no time was wasted in laying out an agenda for the coming year.

Student Body President Kevin Duffy led the charge by presenting the council's priorities. "ASCSM is focused on providing tangible results for the students of Mines," Duffy said. "With these priorities, we will be taking the first step in establishing

real solutions."

The goals included the transformation of Colorado School of Mines into a more environmentally sustainable institution. ASCSM's environmental priority also suggests examination of alternative uses of the Intermodal Transportation Fee funding, which currently goes toward student passes for Denver's RTD transit system.

ASCSM would also like to institutionalize the voter registration process, in order to "provide leverage in local Golden politics" according to

several council members. In addition to these priorities, ASCSM put forth five additional goals: engage students in campus events and make the successes of CSM known to the broader community; maintain the transparency of the student government and its actions; ensure the accountability of professors, academic and administrative offices by publishing campus resources; work with Public Safety to maintain communication with the student body and ensure the recognition of the student concerns in the use of

the capital construction fee.

The meeting also touched on a new initiative being spearheaded by Professor Tom McKinnon; a possible switch to electronic based evaluations as an effective way to reduce the paper consumption on campus. Also on the agenda was the broken marquee by the Student Center, which the student government is planning on having replaced with a new LCD version capable of playing movie trailers.

Additionally, an official record of business from 1993 to 2008 of

ASCSM will soon be available at Arthur Lakes Library. ASCSM Parliamentarian Charles Perko informed the council that, over the past four years, he had worked to compile the historical records.

When asked how he felt the meeting had meeting went, Duffy responded, "I couldn't be prouder of the hard work the ASCSM council has done thus far to set the year of right. Our challenge now lies in keeping our resolve to achieve these great tasks we have set upon ourselves."



PATRICK BESEDA / OREDIGGER

Local businesses hold health and wellness fair

Ben Makuh
Staff Writer

"We want to help people realize how much fun it can be to be healthy," said Chef Lilly Allison at the first annual health fair put on by the Golden Health and Wellness Alliance.

Last Saturday at Golden Pilates, a studio right off of Washington on 10th street, a group of health professionals gathered together for a fun and informative morning regarding different aspects of healthy living. The eight businesses form the Alliance, which was created one year ago as a support network for its members and as a non-profit organization that would help the public learn about health and the maintenance of their bodies.

Many of the booths provided free pamphlets and information pertaining to their area of expertise, as well as small demonstrations of services that they could provide. Of particular interest to the college student, perhaps, was a spread of free samples of food prepared by Chef Allison, including fruit with honey-vanilla yogurt dip, blueberry flax muffins, mini vegetable frittatas, and brochette with raspberry butter or peach topping. "There's this general idea among most people that healthy food tastes bad. It's my goal to change that, because the healthiest foods can really taste

the best," said Allison.

Also attending was certified massage therapist Wendy Goins from Golden Bodyworker, providing information on posture and massage therapy. When asked, Goins stressed that massage therapy should not be thought of as alternative healing, but rather as "complimentary to traditional medicine." As she gave a free chair massage, she explained that healing really involves more than just physical elimination of a problem. "The body is so complex, and we often focus on the physical so much that we don't even look at the emotional."

"The secret to a good smoothie is using frozen fruit."

Later, Allison gave a cooking demonstration about how easy it is to make good-tasting food. As the attendees sipped their free peanut butter smoothie samples, Allison explained that "the secret to a good smoothie is using frozen fruit. Don't add ice, because it waters it down." Goins also gave a demonstration on posture and how to walk and sit correctly.

"We want to be part of the community," said Kaycie Rosen, ND, of Golden Naturopathic Clinic. "We love to help people be aware." As part of that mission, they publish All Good Medicine, a quarterly newsletter aimed at educating people on different health-related topics. "We want people to be healthier," said Nancy E. Gill, DDS, and that was certainly reflected at the health fair.

CSM Academy | Steel research and innovation

Jake Rezac
Staff Writer

"These are the people we're talking to - notice they're all international," commented Dr. David Matlock during his lecture, "Steel Research at the Colorado School of Mines and the Impact of Globalization", on Friday, September 12th. The lecture was the first in a series of seminars being brought to campus by the CSM Academy, which aims to create an "academic town square," where faculty and students can exchange ideas. Dr. Matlock is co-founder and current head of the Advanced Steel Processing and Products Research Center at Mines and used his lecture to discuss the need for steel research as well as how this research affects the ASPPRC.

Dr. Matlock began his lecture with a question which is often posed to him: "Is everything already known about steel?" His answer was a resounding no. According to Matlock, there is still room for advancement and improvement in the understanding of steel. One example Matlock gave dealt with improved energy usage for products containing steel. "Steel developments are absolutely critical for energy development," Matlock said, referring to the steel portions of cars.

Another example he gave was the Rockies Express Pipeline. When complete, this pipeline, which will transport natural gas from western Wyoming to eastern Ohio, will be 1679 miles long and 42 inches in diameter - a total of 1.2 million tons

of steel. "There are tremendous issues to face," explained Matlock, due both to the size of this pipeline and the change in climate across the area through which it will run.

By 2015, "six times more high strength steels will be used than today" in car manufacturing alone

Some of the consequences of these issues are "high stress and significant deformation [of the pipeline], and you have to design for strain."

Wind turbines were another example. The gear boxes inside turbines, as well as the actual towers, are mostly made of steel.

Overall, Matlock stressed the need for new steel developments. Steel developers are trying to create corrosion-resistant properties for steels. By 2015, "six times more high strength steels will be used than today" in car manufacturing alone.

Having stressed the importance of steel research, Matlock proceeded to discuss the ASPPRC and the steel industry as a whole. He described how "steel is a 'growth industry,'" about one hundred million more tons of steel are used each year. Part of the reason for this growth, Matlock said, is because China and many other Asian nations are rapidly increasing their steel outputs. China in particular, which has recently become the world's leader in steel

output by a significant margin, was behind world leaders not very long ago. This fact points to the changes going on in the steel industry and the ASPPRC in terms of globalization.

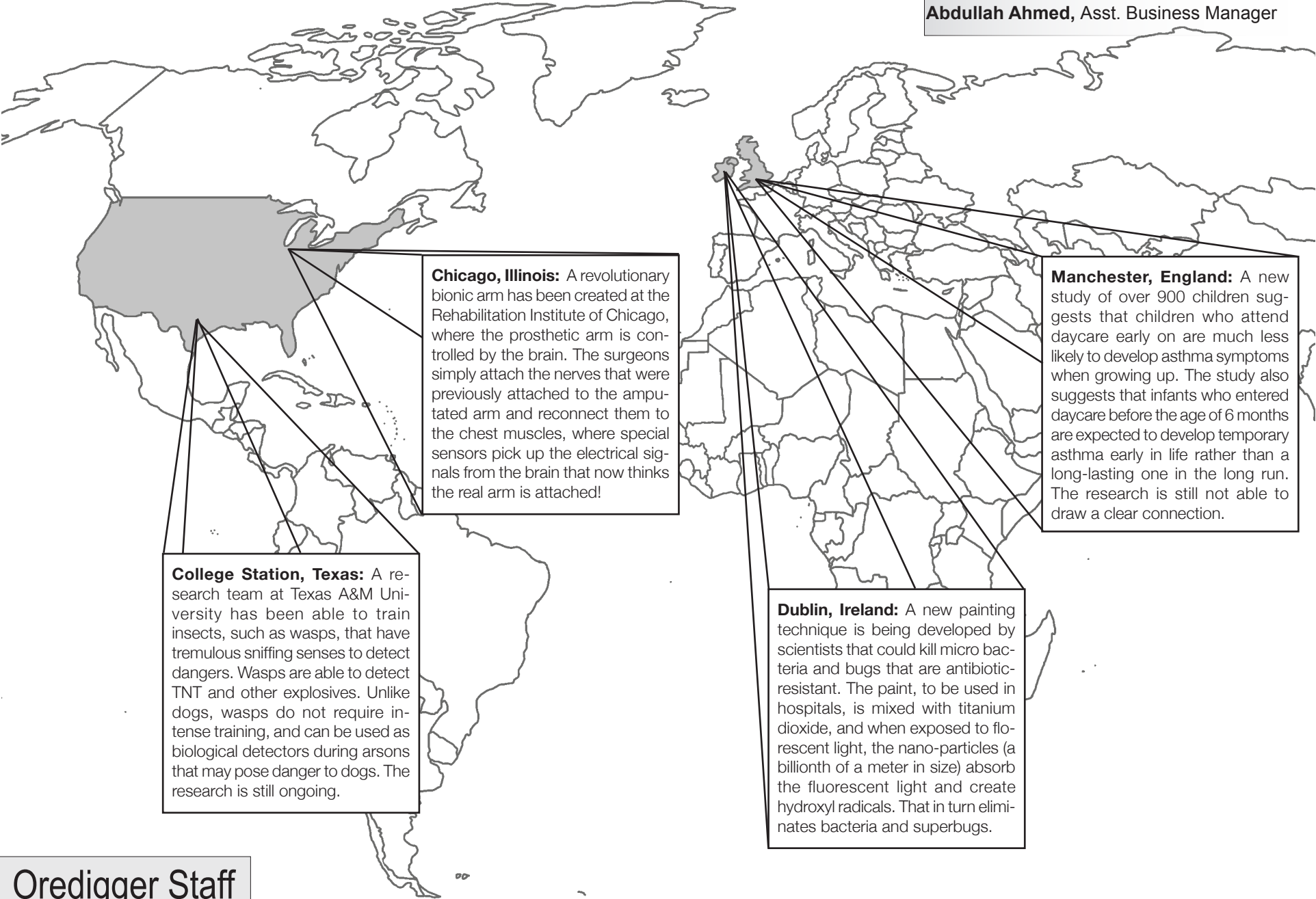
At the ASPPRC, "sponsors represent companies from all around the world." This is very different from how it was in 1984, when ASPPRC began. Not until the late 1990s, when Posco in Korea became a sponsor of ASPPRC, did the center have any international sponsors. This led to a large increase in worldwide sponsorship, and there are currently 26 sponsors. These partners have helped the center perform its mission of "concentrating on research at the interface between producers and users of steel."

Sponsors of the ASPPRC are both users of steel and producers of it. They range from GM, which uses steel in many of its products, to Posco, which is a steel producer. According to Matlock, they are able to maintain this diversity because their "success has been with a personal attention to the sponsors." Matlock doesn't believe in doing business through email. "Personal technology transfer is critical."

Although globalization has helped the ASPPRC gain new sponsorship, the center still faces difficulties. "Consolidation [of steel companies] continues to [provide] new challenges," said Matlock. This causes the center to lose money. However, Matlock explained that there is a "demand for consistent materials worldwide" in the steel industry, and as long as this is the case, steel research will be essential.

Scientific discoveries this week

Abdullah Ahmed, Asst. Business Manager



Chicago, Illinois: A revolutionary bionic arm has been created at the Rehabilitation Institute of Chicago, where the prosthetic arm is controlled by the brain. The surgeons simply attach the nerves that were previously attached to the amputated arm and reconnect them to the chest muscles, where special sensors pick up the electrical signals from the brain that now thinks the real arm is attached!

Manchester, England: A new study of over 900 children suggests that children who attend daycare early on are much less likely to develop asthma symptoms when growing up. The study also suggests that infants who entered daycare before the age of 6 months are expected to develop temporary asthma early in life rather than a long-lasting one in the long run. The research is still not able to draw a clear connection.

College Station, Texas: A research team at Texas A&M University has been able to train insects, such as wasps, that have tremulous sniffing senses to detect dangers. Wasps are able to detect TNT and other explosives. Unlike dogs, wasps do not require intense training, and can be used as biological detectors during arsons that may pose danger to dogs. The research is still ongoing.

Dublin, Ireland: A new painting technique is being developed by scientists that could kill micro bacteria and bugs that are antibiotic-resistant. The paint, to be used in hospitals, is mixed with titanium dioxide, and when exposed to florescent light, the nano-particles (a billionth of a meter in size) absorb the florescent light and create hydroxyl radicals. That in turn eliminates bacteria and superbugs.

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Headlines from around the world

Emily Trudell, Staff Writer

Hurricane Ike battered **Texas** while an estimated 90,000 residents ignored the evacuation warnings and planned to ride out the storm. Meanwhile, Americans mourned the loss of thousands of citizens on the **seventh anniversary of 9/11**. Swimming icon **Michael Phelps** hosted the comedy show **Saturday Night Live**.

Republican presidential candidate **John McCain** and VP candidate **Sarah Palin** battled with rival **Barack Obama** using "lipstick" analogies. **John Ramsey** said that he has forgiven the media for the "lynching" of his family, after prosecutors recently cleared the Ramsey family of the murder of their 6 year-old daughter Jon-Benet in 1996.

Democratic Vice-Presidential candidate **Joe Biden** and his wife released their personal tax records covering the last decade. Ten passengers were killed and many others were injured Friday when a freight train and a Metrolink train collided head-on in **suburban Los Angeles**.

Pirates off the coast of **Somalia** captured nine ships, keeping 100 people hostage for ransom. An **earthquake** measuring 6.1 on the Richter scale destroyed nearly 200 small villages, killed at least six, and injured at least 46 in **southern Iran**.

Didier Bourguet, a former U.N. employee, was convicted of raping about 20 teenaged African girls during his tour in **Central African Republic and the Congo** between 1998 and 2004. **Ehud Olmert**, the current prime minister of **Israel**, announced that he will resign his

office.

Chile made its territorial waters on the **Pacific Ocean** a whale sanctuary, banning whale hunting on the 3,400 mile coast. After suffering from a stroke last month, **North Korean leader Kim Jong Il** had **brain surgery** and could have partial paralysis on one side of his body; the North Korean government has called these reports a "conspiracy plot."

Ford Motor Co. announced its plan to introduce new **hybrid cars** to the market in order to compete with rivals General Motors and Toyota. **Oil worker** deaths have risen by 70 percent since 2002, with 598 deaths from year 2002 to 2007.

Bolivian President **Evo Morales** expelled American ambassador **Philip Goldberg** for allegedly provoking violent protests. At the same time, Venezuelan President

Hugo Chavez called for the Venezuelan ambassador to return home and expelled the American ambassador from Venezuela.

Facebook switched over to its redesigned site, despite the protests of many of its 90 million users. Pop Singer **Pink** said of Vice Presidential Candidate **Sarah Palin**, "This woman hates women."

Rapper **Kanye West** and his manager **Don Crowley** were arrested in **Los Angeles** after allegedly smashing two paparazzi cameras. **Fashion week** in **New York City** introduced a mix of feminine styles,

light fabrics, metallic cloths, and vibrant colors for next season. Country music star **Kenny Chesney** was nominated for seven **Country Music Award** nominations, more than any other artist this year.

The "**Bunny Suicides**", a series of darkly humorous picture books, were pulled from shelves of the **Bookuu Book City** store after a 12-year old from Shanghai committed suicide. **Leonid Stadnyk**, the tallest living man, acquired a second world record for having the world's largest hand, with a palm that spans a whopping **31 centimeters**.



Mines AC&N introduces new website

Demonstrates Mines’s 21st Century side

Gina Boice
Guest Columnist

The Colorado School of Mines website will soon be transformed, with a bold, new, contemporary look, simpler navigation, and improved search capabilities. A campus-wide committee has been working for months on the new website, which will employ a new web structure and new technologies, all supervised by a new web-support team.

Or, to put it another way, CSM’s website will move out of the 20th century and into the 21st.

Believe it or not, in the late ‘90s, CSM’s present website was designed using the latest technologies. Programmers used JavaScript, fly-outs, and daringly designed it for 600x800 resolution—state-of-the-art at the time, though quite deficient today. Due to personnel constraints, competition from higher-priority projects, and very limited oversight, the website became neglected for an extended period.

Today our web presence is woefully underwhelming and fails to reflect the quality or professionalism of the university. With 15 years of accumulated content, reforming our legacy web environment is daunting. But the thought of maintaining the current website indefinitely is even more so.

A year and a half ago, the university decided to invest in a new website and hired a project manager to coordinate site development and web-support strategies. Although it seems like a long time ago, building a new web environment – while untangling the current one and keeping it

running at the same time – presented a host of difficult challenges.

The first task was to assess the existing web environment and determine our needs: What is the website used for, and what should it be used for? Working with CSM’s public-relations director and its chief information officer, with guidance from the president, we determined that there were three principal needs to address:

The first need was to serve the local Mines community. This is what the current site does now, for the most part.

The second need was to share what makes Mines such a unique place to study. To use the website to recruit talented students and faculty from around the world. In short, to market Mines more effectively (we have come to refer to this part of our new web presence as the “marketing site”).

The third need was to provide a way to reach specific university services through a universal login, currently the function of CSM Trailhead, which provides access to registration information, financial information, Webmail, Blackboard, self-service Banner and some other services.

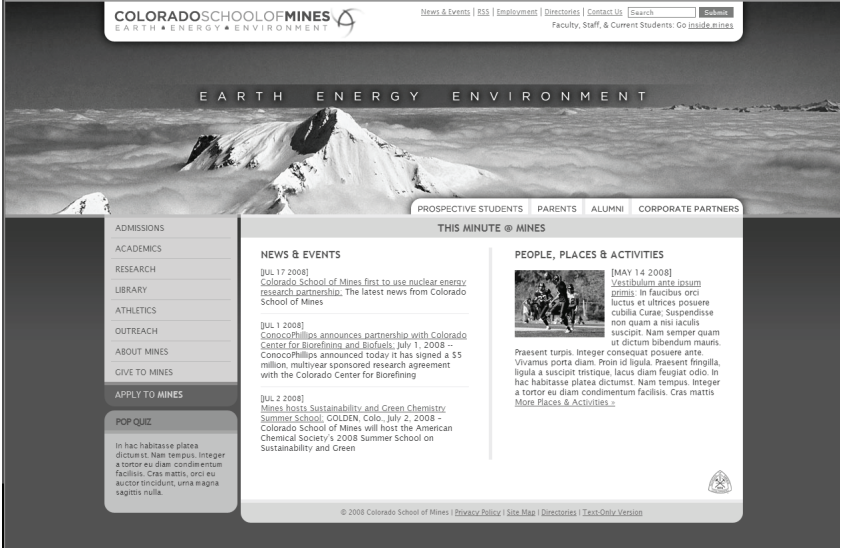
In our current web environment, we generally meet the first and third requirements, though some updating is planned. What is lacking, however, is a “marketing site.”

The second task was to create a committee of stakeholders—representatives from departments that have an interest in building and

maintaining a successful institutional marketing website. Members were drawn from the Graduate Office, the Admissions Office, academic departments, Athletics, Human Resources, Public Relations, Academic Computing and Networking, and the student body. These representatives have met weekly for the past year.

Initially the group examined university sites and practices from all over the country. The committee spent time analyzing CSM’s current website and distinguished between marketing content (that is, outward facing content such as information for prospective students, admissions requirements, tuition, and the uniqueness of the university) and community content (inward-facing content, such as detailed student activities and events information, class information, and administrative information for currently enrolled students).

After the assessment was done and finances were put in place, we developed a request for proposals, or RFP, to search for a web-design and marketing company to redesign and help untangle our site. Five proposals were evaluated and a company was selected to help us create a new outward-facing marketing site, and restructure and revamp our inward-facing community site. Both will be available publicly in upcoming weeks



New mines.edu home page

COURTESY AC&N

and months and each will have a unique emphasis.

The marketing site is almost complete and will be launched soon after all initial content has been submitted and reviewed, perhaps this month. The marketing site is relatively small compared to the inward-facing community site, but there are still over 400 pages of content to create and review before it goes public.

The most difficult issues in creating a new site aren’t the design or the programming. Organizing, assembling, and creating content are the real challenges. There are many people contributing to this, and Public Relations department staff members review all content to make sure it is appropriate, consistent, and meets their standards.

The new marketing site will answer to www.mines.edu and the inward-facing community site will answer to

inside.mines.edu.

Hmmm, you might be saying. A new site answering to www.mines.edu and another at inside.mines.edu? How does that affect all of my bookmarks, or all those links and services and publications currently online? Web-support staff have put a lot of thought and effort into this question so that existing pages – and bookmarks to them – will continue to work as they always have. Of course, in such a complex environment we’re likely to break something from time to time. So if you discover a link that no longer works please submit a Mines Help Center service request at help-desk.mines.edu to let us know what you found.

Change brings challenges, but our website transformation has been – and will be – an exciting, rewarding project. We’re anxious to share it soon with the Mines community.

Geology Museum Open House

Robby Gill
Staff Writer

The Geology Museum held its annual Open House Night last Wednesday. Not only was the museum open later, a silent auction was held in order to raise money.

“I’m looking forward to getting some good specimens,” said Jaron Lucero, Association of Geology Students President, waiting for the auction to begin.

The tradition of having an open house began back in 1980. Guests were treated to classical music while being served hors d’oeuvres and beverages.

The night also marked the ribbon-cutting ceremony for the gift shop, something the museum has been lacking since moving to its current location in 2003. The honors were given to Dr. Bruce Geller, museum curator.

“By the power vested in me by the trustees, the citizens, and my wife, I declare this gift shop open!” announced Dr. Geller.

The night was also an opportunity to show off new displays. As stated by the Museum’s Advisory Council, the museum’s goal is to “strive to improve the collection, through expansion, display and preservation.” One of the main attractions was the Dan and Dianna Kile Collection. The collection is very unique in that every specimen was self-collected (found, not

bought) and cut by the Kile family.

This year’s ceremony focused on bringing more people to the museum. Thus, the event organizers tried new ways to get the word out.

“We sent letters out to the public,” said Ryan Balchuck, a student worker. “We’re expecting bigger attendance this year.”

The open house was scheduled around local events, including the Denver Gem and Mineral Show. Not only were attendees from Golden, but also from all around America and even some international visitors.

“This is their night to come socialize,” said Dr. Geller, referring to how hectic other local events this week are.

Dr. Geller was able to use the night as an opportunity to reflect on the past year. He was hired as curator on August 23, 2007. In his first year, he has worked to improve the state of the museum. One improvement was to expand the hours of operation.

Overall, the night was a huge success. The museum was able to improve on its international recognition, and many small-time collectors were able to leave with some steals. Dr. Geller summed up the night with a reflection of his work so far: “Even with the accomplishments of my first year, there is still much to achieve.”

Alternative Power: Methanol Power Packs

Benjamin M. Weilert
Staff Writer

Most alternative energy sources have been researched and developed to reduce our reliance on petroleum-based energy systems. But, what if you need a small energy source, such as a battery?

Abhaya Datye, from the Department of Chemical and Nuclear Engineering at the University of New Mexico, gave a presentation last Friday on the more portable forms of alternative energy, entitled

One of the challenges that comes with downsizing alternative energy is how much energy can be fit in a certain space

Due to the energy demands of our society, Datye said, “There is an interest in coming up with alternative power.”

“Wouldn’t it be nice for a laptop to run on methanol for 20 hours?” asked Datye at the start of the lecture. One of the challenges that comes with downsizing alternative energy is how much energy can be fit in a certain space. “Chemical fuel packs more energy per unit volume than a battery.” The basis of these chemical fuels is alcohol. “Alcohols are ‘renewable fuels’,” said Datye. “The goal is hydrogen.”

However, even with higher energy density, there are many

issues that must be overcome to make these power packs. “There are many challenges to package the catalyst . . . and to keep low heat.” Since many applications that could use these fuel cells require low temperatures from their energy sources, this issue was covered for half of the lecture.

“What can we do to make this reactor more uniform in temperature?” asked Datye, rhetorically. “A wall coated reactor is good because, inherently, it has short diffusion lengths.” An issue with coat-

ing arose when attempting thicker applications. “The coating was thin because [it] would flake off when it was thicker.”

The problem holding back the production of thicker coatings was in the coating fluid. “When you make a coating fluid, it’s non-Newtonian . . . which affects the coating.” This problem was solved using chemical engineering techniques. When a solution was found, it still needed some adjustments. “We were getting thicker coatings, but they weren’t pretty,” said Datye.

Most of the coating was not uniform in the tubes, which was another problem. The solution for this was foam. “We learned how to make foams inside these

tubes,” said Datye. Foam had better bonds between its particles, which helped to produce a uniform coating.

Now that the issue of packaging was solved, the attention turned to the design of the catalyst. “We want a catalyst that is active towards the formation of hydrogen,” said Datye. “The only products we make are CO and CO₂. We want to minimize CO, because it’s bad for the fuel cell.”

The goal of the fuel cell is to produce a lot of hydrogen with a minimal amount of reverse-water shifting, reducing the amount of final product.

The catalyst with the best results was a combination of palladium and zinc. Despite the expensive nature of palladium, it seemed to be the best choice.

“You want an ideal catalyst to recover and to restore to its original state, even after abuse,” said Datye. A graph showed that the palladium catalyst returned to 100 % productivity after being restored, as compared to about 80 % restoration for a copper catalyst.

There are still many issues that need to be resolved before fuel cells such as these methanol power packs are available to the public. However, progress is being made, which is encouraging to a world filled with batteries. The project was partially funded by the military.

Geek of the Week

...Adam Smiley, Senior: Electrical Engineering

Alyssa Volk
Staff Writer

[Oredigger] What are you studying? Do you enjoy it?

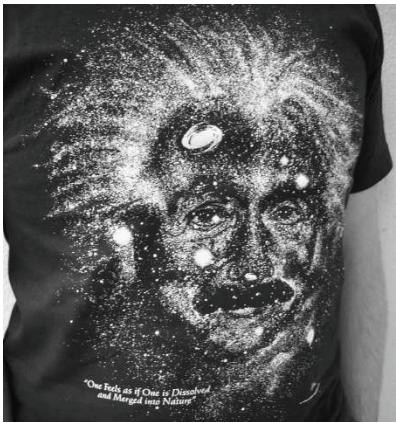
[Smiley] I'm studying electrical engineering, which is fantastic. I really enjoy it! I've never changed majors and I've wanted to be an electrical engineer since I was eight years old.

Do you consider yourself a geek?

In some senses I really do. You couldn't pick me out in a crowd because I don't buy into the stereotypical notions, but I've been a geek from birth. I'm sure my first conscious thought was something nerdy.

Tell me something geeky about yourself.

I started watching Star Wars when I was six or seven years old. I used to go out to my parent's car in the middle of the day and pretend I was in a star fighting scene. I'd sit behind the steering wheel already having the scenario plotted out in my mind. The windshield was my shield and the air conditioning button was my 'Engine On' button. That's pretty indicative of my



nerdiness, which is hereditary. In fact, my dad is a complete geek himself. Every Friday he goes to the local comic shop, where he has two or three comic books on backorder. He never fails to stop in and read them.

What is the geekiest thing you own?

It's a toss-up between two things. The first that comes to mind is a coffee table comic pop-up book. It's Star Trek's 50th anniversary edition that tells *The Next Generation of the Voyager*. We don't have a coffee table at my place, but I have it sitting on my dresser. That

way, anyone who comes to the apartment can see it. I'm pretty into Star Trek. Captain Jean-Luc Picard of the U.S.S. Enterprise is my favorite character.

Do you have any nicknames?

"Smiley." It's my last name, so it just kind of fit. I suppose "Frownie" pops up occasionally. It's mostly a joke though because if you know me, you know I don't frown too much. I try to live up to my name

as much as possible.

Do you have any phobias?

Nothing out of the ordinary, but I do have a fear of spiders.

What is your favorite movie?

I'm a huge science fiction movie junkie. My favorite science fiction movie is a toss-up between the original Star Wars and Gattaca. I've always been a HUGE Star Wars fan, but I love the movie Gattaca. It's one of my favorite movies of all time.

What is your favorite geek joke?

Have you ever heard of the Heisenberg joke?

No. But go ahead and explain.

Dr. Heisenberg is driving down the road. A cop flips on his lights and pulls him over. The cop strolls up to Dr. Heisenberg's window and says "Sir, do you have any idea how fast you were going?" And Dr. Heisenberg replies "No, but I can tell you exactly where I was."

Why did you choose Mines?

After I toured the campus and had the opportunity to talk to some of the grad students, I realized its dedication to science, math and engineering. That convinced me that it was the place for me. I felt it was a place where I could be a dork and it

wouldn't be out of the ordinary.

What activities or clubs are you involved in?

I'm involved in a couple. The first is Jiu Jitsu Club, which is a form of martial arts. I'm also the co-president of Fighting American Military Engineers. Starting this Friday, I'll also be a member of the Assassins Club.

What is the Assassins Club?

It's something that has made headway on campuses nationwide. You basically get a bunch of people together and have a role-playing scene. You're assigned a target and you have to end that person's life in a pretend fashion, like jabbing them with a spoon.

What do you do in your spare time?

I'm an avid reader. It can be detrimental because I don't have any time. But I will read anyway. It's all pretty much science fiction. The last book I read was called *Ghost Brigades* by John Scalzi. The book before that was the *Third Lynx* by Timothy Zahn.

What is your favorite electronic device?

I went to the Borders book store and immediately spotted the engineering reference section. A

book titled *Twenty Spy Gadgets for the Evil Genius* caught my eye. I didn't end up buying that book. But I later bought a book called *Fifteen Electronic Products for the Evil Genius*. It contained one of the most interesting electronic gadgets I've ever seen. It's a portable electromagnetic pulse generator. It's something you can build out of your home from parts bought at Radio Shack. I haven't constructed it yet, but at some point I will.

PHOTOS COURTESY ALYSSA VOLK/OREDIGGER

What is the geekiest thing you've seen or done at Mines?

It was the last week of class this past semester. The class had big lab benches with the electrical outlet placed directly in front of you. It occurred to me that no self-respecting electrical engineer could really call himself self-respecting unless he had some minor electrical incident. So, I found a paper clip and insulated it with one of the guards

Thinking deep thoughts: Adam wears his "smartest" shirt

you find on a pencil. I then jammed it into the electrical socket. After all of the dust and small molten pieces of metal settled, the instructor walked in. Nobody apart from me and a couple others know that the incident went down. However, it later intrigued me to figure out exactly how much energy had dissipated into that particular paper clip. The next day, I used basic analysis techniques to determine the exact amount. I calculated that somewhere in the order of 4,000 to 5,000 joules of energy was put through the paper clip in the short time it was in my possession.

CSM leadership conference stresses personal goals, organizational structures

On campus group leaders learn more effective ways to lead

Tim Weilert
Content Manager

As the warm, crisp September air floated through campus on Saturday, some students slept in. Others attended the football game, and some studied. However, about 210 students, faculty, alumni and representatives from industry gave up their chance for recreation to learn important lessons about leadership.

Leaders from almost every student organization attended the first annual CSM Leadership Conference, a forum on the values of leadership, ethics and professional discipline.

The keynote speaker, Dr. Charlotte Roberts of Charlotte, North Carolina, talked about "Leading a Learning Organization." She covered several aspects of leadership that she learned in industry and has taught to leadership teams within industry. Among her points were five disciplines that successful, learning organizations can use. Roberts stressed the importance of individual personal understanding of goals, structure, and thought

process. "We are not a reflective culture in America; we have not been taught to think about our thinking," said Roberts. "Mental models are the software inside our heads and we're just the rats running the programs."

Roberts used audience interactions in an attempt to expand common definitions of leadership beyond what most people have thought through. At one point she asked the question, "Why don't we tell the truth in organizations?" Responses included personal and financial gain, fear of retribution and embarrassment.

As she closed her talk, she challenged the audience to find out where their leadership role was located. She emphasized that not all leadership styles are the same and stressed the importance of finding where

"We are not a reflective culture in America; we have not been taught to think about our thinking"

someone fits into an organization. Dr. Roberts closed by saying, "My personal definition for 'Engaged Leadership' is fulfilling your personal purpose in a spirited and caring way. Continuously develop your leadership model and remain true to yourself."

Following Dr. Roberts's pre-

sentation, Serena Stickney of the Alumni Association presented



on "Building Trust and Gaining Commitment." Similar to Roberts, Stickney emphasized the perpetual growth aspect of leadership and ethics. After sharing an anecdote about Enron, she said, "The only way to really learn about integrity and ethics is to go through life every day and make those choices. We don't just learn from lectures." Stickney presented the "Six Pillars of Ethics" from the Josephson Institute of Ethics, several case studies and hypothetical ethics scenarios.

Derek Morgan, of the Student Activities Office, talked about student organizations "Winning Gold Medals." He stressed the importance of goals. "It could be winning a championship, recruiting 15 new members or anything. Just make sure you have goals that are attainable." Among the finer points

of Morgan's presentation were the topics of officer transitions,

listening, communication, avoiding excuses, alumni connections, recruitment, planning, advisor involvement, recognition, respect, and enthusiasm.

Several breakout sessions followed during the afternoon. Topics were more specialized and focused on two main groups: club leaders and student managers. Club leaders went deeper into the ideas of systems thinking and mental models, while managers learned about CSM's financial policies and event planning. Speakers included Dr. Roberts, CPA Kirsten Volpi, ASCSM President Kevin Duffy, Student Activities faculty member

Marie Hornickle and ASCSM Treasurer Jaimie Thorpe.

The day ended with a few words from CSM President Miles "Bill" Scoggins. He reflected on his own career experiences, describing his journey through the oil industry. "While you may think we're an engineering and science school, we've got our roots in leadership and management areas." Scoggins personal observations followed, along with his own "top ten" leadership characteristics.

As a whole, the conference, which will likely become a Mines tradition, was a success. Mines has long been known as a university that prides itself in preparing engineers for a thriving life after school

Mines has long been known as a university that prides itself in preparing engineers for a thriving life after school

CSM has shown that it is an institution dedicated to creating well-rounded students who will be well equipped to thrive in their industries and communities.

McBride students visit Honduras

Reflections on an international experience

Autumn Triesch
Staff Writer

He steps off the airplane into the night of another country. Not able to speak Spanish very well, he and five of his peers get on a bus to be shuttled to a house in Villanueva, Honduras. On the trip to their home for the next three weeks, CSM undergraduate Chris Sabaka realizes he is finally there. The weeks of anticipation are over and the people surrounding the bus as they drive through the city are full of life.

"I made the decision to go to Honduras in December of 2007. I attended seminars in the McBride Honor Program to learn about the culture of the historic Mayans and present-day culture in Honduras," said Sabaka.

Preparing for a trip in a different country takes several weeks of planning. A passport, and in some cases a visa, is required.

"I got my immunizations and passport. I was excited and anxious for the trip. I had never gone farther than Mexico. I kept anticipating what I would see. I knew before I went that it was going to be an exciting trip," said Sabaka.

After arriving in Villanueva, the mayor rented a house for the six Mines students and their advisors to stay in for the three weeks they were there.

"We were really spoiled. We had our own house. We had two women who cooked us breakfast and lunch. They cooked us dinner when we were there at that time

also. We had food available for us whenever we wanted it. We had another woman who cleaned," said Sabaka.

This summer excursion was for a humanitarian engineering project. The group of students worked on educating children in Honduras on environmental sustainability.

"We talked with schools in two villages. We gave a presentation to the kids about water. Running water is not common in the villages, so we showed the kids how important it was to not waste the running water they did get," said Sabaka.

Other projects completed on their trip were making gardens and woven purses out of trash.

"We took old tires and turned them inside out to make gardens," said Sabaka. "We made 20 gardens total for the schools we worked with. Trash is a big problem in Honduras. It is everywhere. So for another project, we took the children out to collect chip bags, like Frito Lays and Cheetos bags. With the bags, we showed the students how to cut them and put the pieces together to make a purse. We want the students to think creatively when it comes to cleaning up and fixing the waste problem... The kids made bracelets and hats. It took us three days to weave a purse. It is hanging in the International Program Office now," said Sabaka.

The projects were done during the week. The students had extra time to explore more of the country

of Honduras.

"When we first got to Honduras, it was at night. We met our bus driver who took us into the city of Van Edesulla and drove us through the thick of a weeklong fiesta. It was interesting seeing all the people celebrating their culture. The first weekend we were there, we went to the Mayan ruins. The second weekend, we went to the beach. It was difficult getting around because only three of us had a background in Spanish. Our bus driver for the trip did not speak one word of English. By the end of the week, we had our own way of communicating with him. He even helped us out talking to other people to help translate what was being said," said Sabaka.

It is recommended to know the language of the other country when traveling. However, it is still possible to travel without any background.

"When we needed to explain to the students how to make the purses, we had to focus on one Spanish word, like 'fold,' to explain how to make it. It was difficult communicating with the students; it took longer communicating with everyone in Honduras," said Sabaka.

The language is not the only difference Sabaka noticed. The way the people of Honduras live, and what they value, is different from people in the United States. Seeing another culture expands views on how people in other parts of the world live.

"There is definitely a difference.



COURTESY CHRIS SABAKA

Humpty-Dumpty Wanna-bes: Students rest on a wall in Copan

[Honduras] is one of the poorest countries. There is so much poverty. It makes me wonder how some of these people could live like that. It has made me grateful for what I have. This trip also changed my perspective about the world. Honduras is really laid-back. They do things different. It is not on a time

schedule, but the people are not lazy at all. They are very hardworking people," said Sabaka.

After the three weeks were over, Sabaka returned to the airport to fly back to the States with stories he will remember his whole life and photos and new friends to go along with them.

Communications Center hones speaking skills

Consultants offer presentation tips to students

Roby Brost
Staff Writer

The art of communication has always carried certain hazards that leave even veteran public speakers a little short of breath, clutching a prepared speech in cold, clammy hands. Now, in the 21st century, the multifaceted nature of communication, including the use of multimedia in presentations, has made public speaking more daunting than ever. If the thought of a public speaking brings out the desire to crawl under a convenient rock or hide behind a carefully crafted PowerPoint, fear not; the Communications Center is here to help.

Located way up in room 410 of Stratton Hall, the Communications Center is well worth the climb. Since professor John Hogan created it last year, the Communications Center has gathered a host of talented consultants to help the Mines community become effective and successful public speakers.

This year, consultants for the center include Sue Tyburski, who has a background in law, literature and the humanities, and Mary Van Zet, who has a master's degree from the University of Denver in Mass Communications and is a certified instructor of Public

Speaking, Business and Professional Communication, Psychology Communication, Argumentation and Advocacy and has a Certificate in English as a Second Language. Rose Pass, currently a professor for Nature and Human Values courses, also offers her valuable services to help students "realize their public speaking potential." Several other individuals offer their time and support to the Communications Center community.

The center offers a variety of services, all aimed at enabling the Mines community to speak with confidence and authority. Rose Pass summa-

"We can help you become a more successful, effective speaker"

riized the program simply when she said, "We can help you become a more successful, effective speaker. That could mean anything from a better grade on a project to more confidence in a job interview, [and] even more career options."

Although the program is still new to the Mines campus, the Communications Center is already planning for expansion. "We envision and are planning to include writing, oral, visual and electronic communication assistance," said Pass. "We hope to have the capacity to offer more services to the Mines community and

to acknowledge the technology of communication in the twenty first century... we continue to evaluate programs and designs that would be most useful and appropriate for CSM."

Meanwhile, the Communications Center is available to help students develop speaking and presentation skills, which helps them avoid using multimedia, such as PowerPoint, as a crutch.

Room 410 of Stratton Hall also offers a relaxed atmosphere in which students who wish to improve their mastery of the spoken English language can converse with other students with similar goals. "Whether English is your first language or your fourth, the Communications Center is a valuable resource for feedback on your presentation," according to professor John Leydens.

The Communications Center is open every Friday from one to five in the evening. No appointment is necessary, and a scheduled weekly time is not required. Although the Communications Center may be relatively new to Mines, its staff has realized that the Mines community is an intelligent lot. The center expects growth to coincide with the increasing number of students seeking to take advantage of a great opportunity to speak with excellence.



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(303) 279-9043

MONDAY
STARTING AT 9 PM

\$4.00 PITCHERS
\$1.50 DRAFTS

7 PM TO 12 AM: \$2.00 JAGER, CUERVO, JAMESON, DR. MCGILLICUTTY'S VANILLA

TUESDAY

FROM 9 PM TILL 12 AM

\$3.00 U-CALL-IT
\$4.00 PITCHERS, \$1.50 DRAFTS

7 PM TO 12 AM: \$2.00 JAGER, JAMESON, CUERVO GOLD, DR. MCGILLICUTTY'S VANILLA

WEDNESDAY

FROM 9 PM TILL CLOSE

\$4.00 PITCHERS
\$1.50 DRAFTS

7 PM TO 12 AM: \$2.00 JAGER, JAMESON, CUERVO GOLD, DR. MCGILLICUTTY'S VANILLA

THURSDAY

STARTING AT 9 PM

COLLEGE NITE + BEER PONG
LADIES DRINK FREE, 9 PM TO 12 AM
9 PM TO CLOSE: \$1.50 DRAFTS, WELL AND WINE
9 PM TO CLOSE: \$4.00 PITCHERS

FRIDAY

9 PM TO 12 AM

\$4.00 PITCHERS
\$3.50 JAGER-BOMBS

7 PM TO 12 AM: \$2.00 JAGER, JAMESON, CUERVO GOLD, DR. MCGILLICUTTY'S VANILLA

SATURDAY & SUNDAY

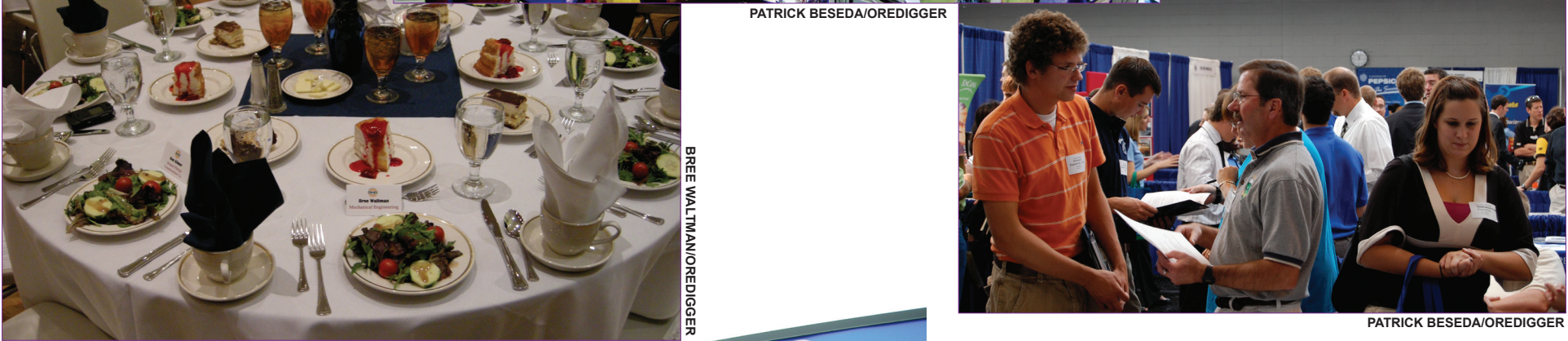
ANYTIME

\$3.50 LONG ISLAND ICED TEA
\$4.00 PITCHERS, \$1.50 DRAFTS
7 PM TO 12 AM: \$2.00 SHOTS, \$2.00 BLOODY MARYS AND SCREWDRIVERS

EVERY DAY

PABST BLUE RIBBON

\$4.00 PITCHERS, \$1.50 DRAFTS
DRINK SPECIAL OF THE DAY



Obama tickets gone fast

David Frossard
Staff Advisor

Tickets for Senator Barack Obama's surprise visit to Golden, scheduled to take place this morning at CSM's Lockridge Arena, disappeared quickly as hundreds queued for a chance to see the candidate in person.

Lines for the free tickets started forming at Obama's Golden campaign headquarters in the cold, pre-sunrise drizzle Sunday morning. By 10 a.m., when distribution began, lines stretched around the parking lot of the El Tapatio restaurant on Golden Ridge Road.

Within half an hour, all tickets were claimed, disappointing many hundreds who added their names to waiting lists. Tickets were reportedly snapped up at three other distribution points in the Denver metro area as well.

Campaign officials held out hope that more tickets might become available Monday. Alternatively, said campaign staffers, the sold-out event might be moved to a larger venue within Jefferson County.

Mines President Bill Scoggins said in an email that the school had reached an agreement to host the event just last Friday. "Since many national media representatives will cover the event, this is a tremendous opportunity to showcase our campus, students, faculty and staff—and the exciting

work we're doing here at Mines," said Scoggins. "I am proud we were selected as the venue for this event, as it reflects our growing recognition as a leading, world-class research university."

Scoggins also noted that an invitation had been extended to the McCain campaign, with whom the school had talked earlier this summer. At press time, Republican vice-presidential candidate Sarah Palin was also scheduled to appear in Golden Tuesday, at the Jefferson County Fair Grounds.



Lines stretched around the parking lot outside Obama campaign headquarters in Golden. Hundreds more (including all in this photo) were turned away without tickets. All those who successfully claimed tickets joined the line before 7:30 a.m



Even on a rainy morning vendors had plenty of Obama shirts, hats, and buttons ready for the enthusiastic crowd



Many waited for five hours in cold, drizzly conditions Sunday to snap up a few hundred tickets distributed in Golden for Senator Barack Obama's Tuesday visit to the CSM campus

ALL PHOTOS COURTESY DAVID FROSSARD

Essentials: Boxing Movies

Benjamin M. Weilert, Staff Writer

For some reason, most sports movies pale in comparison to the ones related to boxing. Perhaps it's the raw emotion and exertion that these warriors put into their fights. Perhaps it's the age-old story of an underdog overcoming the odds. Perhaps it's that most of the stories are based on real people. Whatever it is, these three films best portray the sport of boxing:

1. *Raging Bull* (1980)

Considered to be Martin Scorsese's best film, *Raging Bull* chronicles the life of Jake La Motta (portrayed by Robert DeNiro). Throughout the film, we watch Jake's rise through the ranks of middle-weight boxing. We also get a look into his tumultuous personal life, in conflict with his wife and brother. Stylistically, this movie is beautiful, shot completely in black and white. Somehow, this style intensifies the fights in the ring, producing some powerful fight sequences. Even with all his success, Jake ends up working a nightclub, quoting Marlon Brando's famous speech from *On the Waterfront* (1954). Recently, *Raging Bull* rose to #4 of the American Film Institute's top 100 movies of all time, which should definitely put it on any must see list.

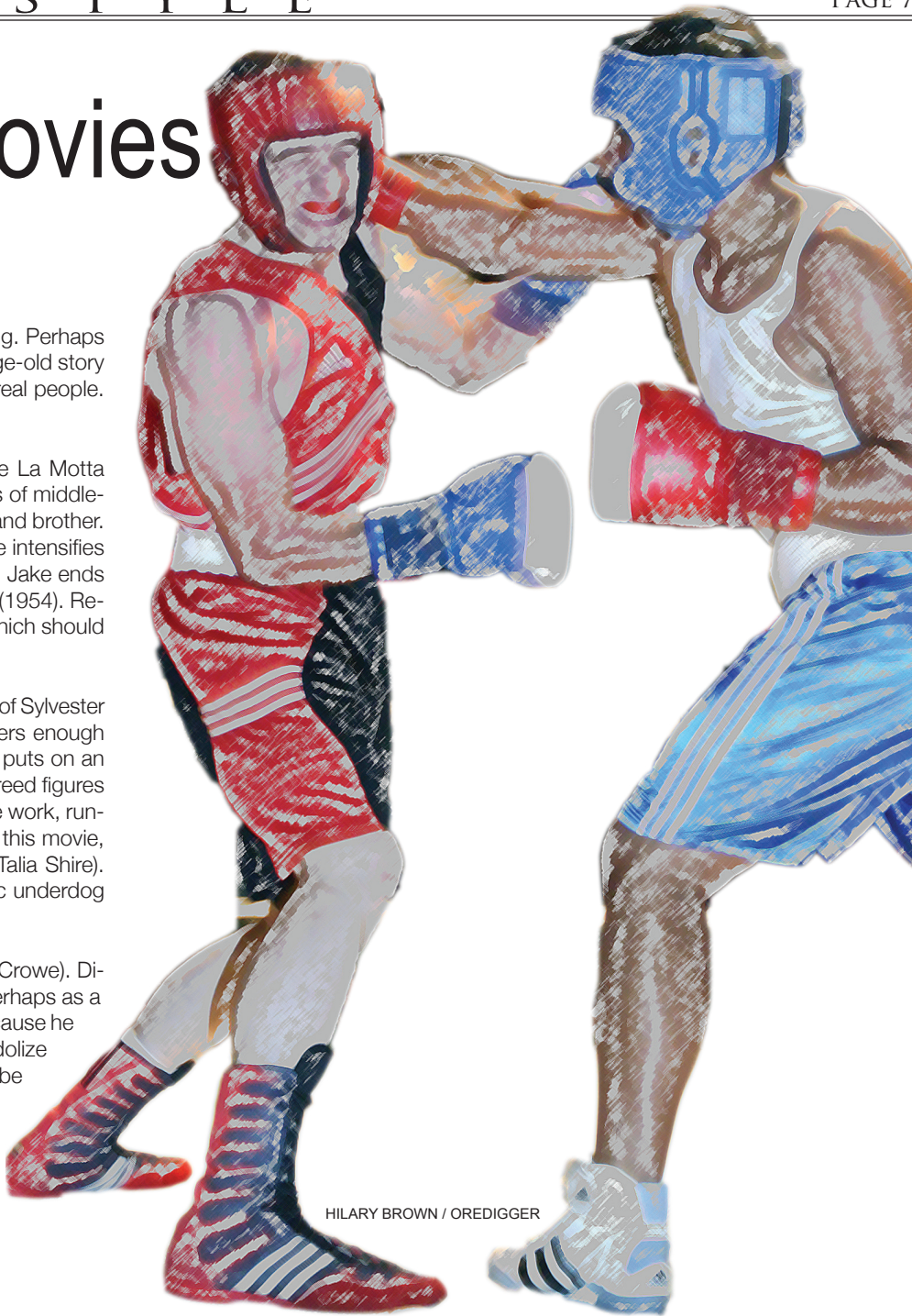
2. *Rocky* (1976)

With the exception of *Rambo: First Blood* (1982), this movie defines society's perception of Sylvester Stallone. Rocky Balboa (Stallone) is a relatively unknown boxer in Philadelphia who garners enough attention to catch the eye of heavyweight champion Apollo Creed (Carl Weathers). Creed puts on an exhibition match against the unknown Balboa (nicknamed "The Italian Stallion") in which Creed figures he is a shoo-in to win. Unfortunately for Apollo, Rocky does some intense training montage work, running up museum stairs, drinking raw eggs and punching meat locker goods. Throughout this movie, the somewhat slow Rocky develops a relationship with shy Adrianna "Adrian" Pennino (Talia Shire). After the big fight, she's the only one he can think of, yelling out, "Yo, Adrian!" This classic underdog story is a staple of AFI's top 100 list, being currently placed at #57.

3. *Cinderella Man* (2005)

This Depression-era film tells the true story about Jim Braddock (portrayed by Russell Crowe). Directed by Ron Howard, we can see a similar fight sequence style to that of *Raging Bull* (perhaps as a tribute). Despite being somewhat washed up, Jim works his way up the ranks of boxing because he has a greater motivation: to feed his family. The poor and huddled masses can't help but idolize Braddock as their hero, as someone who can overcome their circumstances and prove to be successful. The Depression was so hard on Braddock that the audience can't help but root for him to win the big match at Madison Square Garden. Ron Howard's skill in building suspense and emotion will have you on the edge of your seat and your heart in your throat for most of this great film.

For Homework – See *Million Dollar Baby* (2004)



HILARY BROWN / OREDIGGER

Acoustic indie charms library Mine Is Clarence reveals rock band challenges

Patrick Beseda
Staff Writer

Jordan Revielle, of the local indie rock group Mine Is Clarence, gave a small group of listeners a solo acoustic show in the Arthur Lakes Library on Friday afternoon; this marked the group's second appearance in the *Concert in the Library* series.

Claiming bands like Saves the Day, Death Cab for Cutie and Weezer as influences, Revielle possesses great acoustical skills, as well as vocals that complement his playing style. "He had some really soulful songs and played really well, but it seemed like something else was on his mind," said sophomore Liz Kirby. "He seemed a little jaded."

Things were different for the band since the last time Mines hosted them. Revielle's solo appearance was the result of missing guitarist and vocalist Matt.

"Matt may be having second thoughts about the band," Jordan said before he started. He opened with a piece called "Built to Last" and commented that it was a song about quitting a rock band. Revielle later commented on the type of songs he has written. "Almost all of my

songs are about wanting to be in a rock band or being frustrated with being in a band," he said.

Revielle played through some of the band's older songs, dating back three years to the first song he wrote. "At first, we had just started

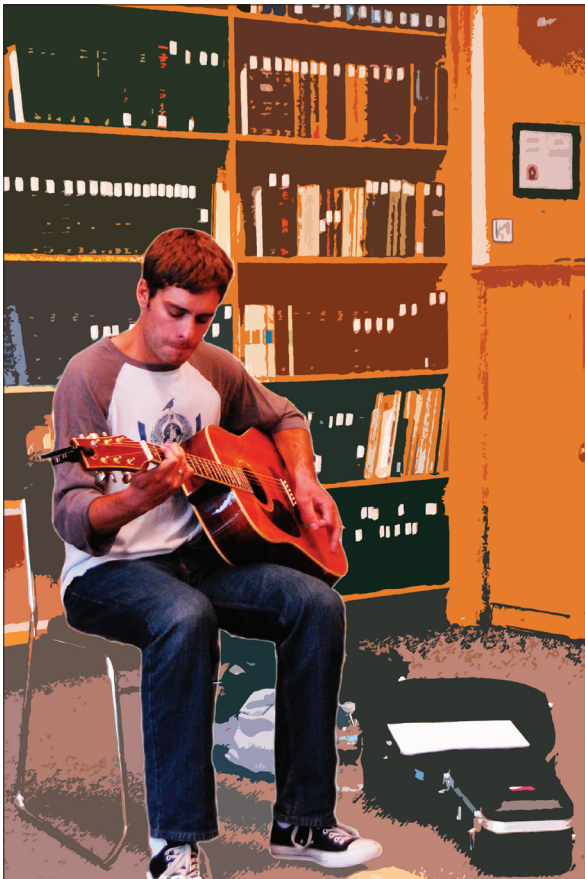
out and I thought I would write some good songs and people will like us just because we play good songs."

He later found out that success would take more. "If you don't tell people about your band and ad-

vertise your shows and play more shows, people won't know you," Revielle said. He told the audience about the 'early days' of the band; "It got frustrating – we were a good band and nobody noticed."

Whether their conflicts are resolved or the band members go their separate ways, *Mine is Clarence* has created some heartfelt and meaningful music. In the last song he played, Revielle sang, "I wrote some catchy pop tunes, in hopes you'd dance around." He concluded the set with reassuring lyrics; "It will work out fine." To hear the band, visit them on the internet at <http://www.myspace.com/mineisclarence>.

The Concert in the Library series features musicians every other Friday at noon in the Boettcher room. The next concert will be The Voice of the Wood Cello Quartet on September 26th.



PATRICK BESEDA / OREDIGGER

Solo promo. Jordan Revielle of Mine Is Clarence explained sources of inspiration.

Baron of laughs Baron Vaughn brings comedy to the Friday Afternoon Club

Michael Rose
Staff Writer

Comedian Baron Vaughn put on a sidesplitting show at the Friday Afternoon Club (FAC), which left everyone laughing and wanting more.

Vaughn is an actor and comedian living in New York City, where he tours around the country performing stand-up comedy. Among his many screen performances are appearances on VH1, Comedy Central and the Hollywood movie *Cloverfield*. His most recent tour is taking him to college campuses around the country.

His fear of small dogs and admission to eating skittle burritos helped prove Vaughn to be a talented comedian that knew how to work a crowd. Vaughn's very real, close-to-reality jokes, well-timed beat boxing and discussion of modern issues made his performance soar in the eyes of many attendees. By

the end of the show, even more controversial topics were under his darkly humorous spotlight.

The atmosphere of FAC was fun and casual. It was more reminiscent of a group of friends getting together for laugh, rather than a formal performance by a famous comedian. The audience, composed of Mines students, was not afraid

of contributing to the show by asking questions and making comments.

Though many comments resulted in ridicule, they were able to return the favor and keep Baron coming back for more.

Towards the end, the students seemed to be running the show and it ran several minutes over schedule. To many, participating in a stand-up comedy show is much more entertaining than watching YouTube videos in the deep, dark recesses of a dorm room; free food and drinks are available at each performance.

Vaughn's very real, close-to-reality jokes, well-timed beat boxing and discussion of modern issues made his performance soar in the eyes of many attendees.

Music Review

Narrow Stairs. Death Cab for Cutie

Tim Weilert
Content Manager

Last spring, as the days began to grow longer and thoughts of warmer days occupied students' minds, an album was released. Even before its release, *Narrow Stairs* had generated a decent amount of publicity. When the disc finally dropped, it was not quite what many people expected.

Background:
Death Cab for Cutie, a Seattle band that has been creating music for the better part of the last ten years, began small, but has since grown in standing and sound. The first mainstream success Death Cab for Cutie saw was their 2003 album *Transatlanticism*, followed two years later by the even more popular album *Plans*.

Those records did more for the band than simply providing extra money or even allowing them to sell out venues across the globe. Ben Gibbard, Death Cab for Cutie front man and lyricist, became the indie-rock equivalent of Jack Kerouac. At the same time, Chris Walla, Death Cab's lead guitarist and multi-instrumentalist, branched out into the world of production and has been behind the scenes on some of the top indie records produced in the last five years.

Best Song:
"Cath..." is the best representation of the current Death Cab sound. Catchy guitar riffs and a good dose of percussion keep this song from dragging. The track has a warm feel and an excellent music video which

helps out the play out the lyrical imagery and storyline.

Song to Skip:
The first four minutes of "I Will Possess Your Heart." Building toward something epic is great, but after two minutes of listening to the same bass riff the song becomes dry. The lyrics are catchy, but depend too much on repetition. By the end of the song the listener is ready for the next track.

Final Thoughts:
The first time listening to this record, do not expect it to be *Plans 2: The Electric Boogaloo*. While *Plans* had an almost perfect and surgical attention to detail, *Narrow Stairs* is more of an exploration of sound. The lyrics are poetic and the overall sound is warm and deep. On some tracks ("Grapevine Fires" and "Your New Twin Sized Bed"), *Narrow Stairs* will cause the listener to think of a dreamy, warm summertime afternoon while other tracks ("The Ice Is Getting Thinner" and "Talking Bird") are slightly more chilling. Fortunately for Death Cab, they have not let their mainstream successes dictate their sound, so they still have credibility as musical artists. Overall, it is not the type of record that can be taken in pieces, but must be listened to as an entire composition.



A review of Blue Moon Seasonal Ale, Harvest Moon

Akira Rattenbury
Staff Writer

As a 2008 inaugural sampling of Golden's offerings into the select beer market, Blue Moon's Harvest Moon delivers where other mass-produced seasonals fail. The distinct aftertaste and pleasing color give the ale a desired finish. Molson Coors claims the ale is a "full bodied" ale made "with the flavor of vine ripened pumpkin," hinting to bolder forays into the fruit-flavored beer variety. Seeking the perfect blend of sweet and spice, the Harvest falls squarely in the sweet tooth arena of seasonal offerings.

The beer aims to please the likes of discriminating tastes while not clashing with the natural sentiments of a smooth finish enjoyment. Initial fragrance is mute, but an effervescence of the carbonation gives a familiar feel to the Coors-brewed beer. The finish really entices a drinker to another sip to discern what spices are at play.

The beer sure is charming. The

deep amber, copper orange color is reminiscent of a Killian's Irish Red ale, but brings a host of new and exciting flavors to the table. The Harvest Moon, a watered-down reincarnation of Blue Moon's Pumpkin Ale, brings a lively mass-produced edge to the typical microbrew smorgasbord of seasonings. Coriander, reminiscent of its big brother, the Blue Moon "white ale," brings a punch to the mix. Combined with typical autumn seasonings such as nutmeg, cloves, allspice, and cinnamon, the Harvest hosts a unique twist on a fall brew.

The beer hits initially with fragrant spices and entices a charm of comfort when enjoyed on an overcast fall day. It does not encapsulate a Colorado feel, but is worth a try. Whether sampled at Coors lab or by the bottle, Harvest Moon refreshes the palate with a soothing dose of bitter malt. When poured, the beer offers a moderate head of quickly dissipating carbonation, which lingers throughout the glass.

Hesitant samplers noted the

drinkability, which adds to the subtle, yet present flavors of the beer. "Initial taste is good," commented Alec Anderson, a rugby player and senior at CSM. "It releases the flavor in your mouth, but I don't need an orange."

The Harvest harbors a slightly acidic fragrance and taste. It offers a light dose of pumpkin to tease the senses. The beer can be bitter, and several tests confirm different batches properly mix the sweet and spice with the forgiving taste of a Blue Moon. The slight bitter can almost give way to a woody aftertaste. The affordability of the beer allows its spice, but recovers with the sweet and almost watery taste.

It does not overcompensate for its seasonal offering by being excessively bold or overpowering. The light finish and complimentary flavors give the beer an even four-out-of-five for overall enjoyment.



Righteous Kill

Doyle Adams
Staff Writer

Robert DeNiro and Al Pacino are responsible for some of the greatest gangster, heist and mob flicks of all time. No argument there. This leads one to inquire – have they ever let us down before? Unfortunately, there is a first time for everything.

Skeptical since the film was not excessively publicized, I paid to see the pair in a movie I knew nothing about. The story begins with two seasoned detectives and long-time partners who lose faith in the justice system and take matters into their own hands.

Not a bad start, I thought, until Curtis Jackson, better known as "50 Cent," makes a cameo in the first 10 minutes, struggling to pronounce his lines. From there, the film went downhill.

We are then given glimpses of a confession tape made by one of the detectives. For two hours, we see segments of the tape followed by respective flashbacks of each crime. From there, we pick up in the film in present time with zero shockers and 15 minutes remaining to end the story. Needless to say, the ending seemed rushed and terribly predictable.

Dare I use the word mediocre to describe *Righteous Kill*? After all, we're talking about Jimmy Conway and Tony Montana. Each had their moments, but overall I couldn't believe them. They lacked enthusiasm as if they were as bored with the story as I was. That said, watching DeNiro kick "50 Cent" is easily worth the dollar Red Box rental this spring.

I would be lying if I gave a passing grade. Sadly, *Righteous Kill* has all the symptoms of a Mines PRG: lazy, last minute, and without recognition.

Burn After Reading

Erin Stephens
Staff Writer

As the follow up film to Joel and Ethan Coen's *No Country for Old Men*, *Burn After Reading* takes a satirically dark twist which features a cast with both history and A-list standings.

Introduced in a combination of story lines that twine in the most random fashion imaginable, the United States Central Intelligence Agency plays the role of an innocent bystander to the confusion. Ironically, the intelligence gathered on the situation leads to no intelligent understanding of the motives of any of the participants. The CIA superior fittingly concludes, "Report back to me when it makes sense."

The opening scenes take a sweeping leap from the normal standards of comedy into the realm of chaos, when Osborne Cox (Malkovich) is unceremoniously fired from the CIA. Although offered a lower ranking position, Cox quits in a flurry of vulgarities.

When Osborne decides he will take revenge on the agency by alternating drinking with the writing of a memoir, his wife, Katie Cox (Swinton), decides it is time for a divorce. The scene thickens when Katie attempts to corner her lover, Harry Pfarrer (Clooney); Pfarrer's wife is, ironically, the author of children's novels.

Revealing both the human and animal sides of the character, Clooney effectively plays the role of philanderer. As a former U.S. Marshal, Pfarrer is proud to have never fired his gun, yet seeks every opportunity to discharge a weapon.

The second plot line emerges when Hardbody gym employees Chad (Pitt) and Linda (McDormand) encounter a disc with seemingly classified information and attempt to collect a reward from the Coxes. The innocence in Pitt's character, in combination with the single-minded vanity of McDormand's, allows for extremely comical lines in the script.

The Coxes' world and the Hardbody gym collide in a twist of misunderstandings and misrepresentation. The film is slightly reminiscent of one of Shakespeare's comedies, where none of the characters' motives make sense to the others.

Chad is by far the most memorable and lovable character of the bunch, even with his simpleton flaw. Pitt has reinvented his acting with random dances to his headset and an insatiable need for hydration. Although Pitt and Clooney only appear in one scene together, the history built from the *Ocean's* trilogy remains.

Burn After Reading, though bearing little resemblance to its knee-slapping commercials, is hilarious in its own right. The Coen brothers pace the film in such a way that the characters have few chances to explain or justify their actions to anyone but themselves. The directors knew what they were doing when they casted the "World's Sexiest Men" into roles of philanderer and the stereotypical muscled gym instructor.

An interesting, yet dark, addition to the 2008 movie lineup, *Burn After Reading* is a rare mixture of irony and mayhem.

Benjamin M. Weilert
Staff Writer

One year after their Academy Award-winning movie, *No Country for Old Men*, the Coen brothers are back to present a slightly more comedic flick. Some of the charm of this movie comes from the actors. Most of them are playing parts well below their normal charisma levels, which leads to some realistic characters.

You can definitely tell they enjoyed themselves working on this project, which is exhibited well in the trailers. That being said, it's still dark comedy.

Osborne Cox (played by John Malkovich) is an analyst for the CIA who quits after being demoted at work. His wife, Katie Cox (Tilda Swinton), has been cheating on him for some time with Harry Pfarrer (George Clooney). In order to help her finances after she divorces Osborne, Mrs. Cox copies many of her husband's sensitive files onto a CD.

However, the CD is lost at a local gym where Linda Lilzke (Frances McDormand) and Chad Feldheimer (Brad Pitt) work as personal trainers. They must have been raised on Cold War spy novels, because after reading some of the contents on the disk, they decide this type of information can be used for blackmailing. After trying to get a reward out of Osborne, they turn to the Russian embassy

to try and sell the information.

As this is going on, Linda is trying to find a way to pay for cosmetic surgery while also dating Harry Pfarrer (whom she met online). Harry, who is currently married to a children's book author, is a retired bodyguard who has never killed anyone. So, at this point, everyone is cheating on everyone else, and divorce papers are flying.

To find more information for the Russians, Chad breaks into Osborne's house and encounters a little snag in the plan. The situation quickly gets out of control after two people are killed and no one wants the useless information on the CD. If you get lost during the movie, the CIA superior (J.K. Simmons) wraps everything up for you in a nice little package at the end of the film.

Needless to say, most of the funny material of this movie is shown in the trailer. The plot definitely felt like a campy soap opera at times, and it lacked structure past the bumbling of blackmailing gym trainers. If you can't stand somewhat complex plots and the quintessential Coen brothers' senseless violence, you might want to stick to renting this film. Otherwise, perhaps wait until it hits the cheap-seats theater.

Burn After Reading is 1 hour, 37 minutes long and rated R for violence, language and sexual content. My rating: 3 ½ stars out of 5.

Principally Irked

Palin in Comparison

Andrew Aschenbrenner
Opinion Columnist

There is no doubt that Republican vice-presidential nominee Gov. Sarah Palin of Alaska has taken over the political scene. The past two weeks have been all Palin, all the time. Now, the attention seized by Palin mania is threatening to trivialize this election season.

The media circus is understandable, considering how unknown nationally Palin was before being named as John McCain's running mate. It's also plainly seen that there have been quite a few issues raised about Palin's experience, beliefs, and even her integrity.

She has caught flak on many fronts. Her claim in her stump speeches that she "told Congress thanks, but no thanks" on the Bridge to Nowhere has been exposed as a lie, or at best, a distortion. The repeated assertions by John McCain that she never has sought federal earmark money as Governor of Alaska are false. Palin is also under investigation in Alaska regarding possible illegal influence in the firing of an Alaska state trooper.

Looking hard at a candidate, especially one in the public eye, requires patience and dedicated reporting. Unfortunately, this is

something that is rare in today's media atmosphere. So, instead come stories about mislabeled quotes (Obama's comment of lipstick on a pig), Palin's MILF status, hockey moms, and pregnant teenagers. Seriously?

Allegations fly around on the Internet, and sifting through them all is not easy. Sources like the Associated Press and Factcheck.org are helpful in order to make intelligent conclusions. Assertions that she demanded books be banned from the Wasilla, Alaska library when she was mayor there are false, and she never pushed for teaching creationism in Alaska schools, contrary to some reports.

Sarah Palin has brought out the crowds for John McCain and energized the GOP's conservative and evangelical base. How can the country decide if Palin is qualified if she never talks to the media?

She showed her lack of knowledge on foreign policy in her first interview with ABC's Charles Gibson on Thursday, which is the only time she has talked to the press since she was named the nominee for vice president. How can the country decide if Palin is qualified if she never talks to the media? How dare the McCain campaign criticize the press for vetting Palin? Isn't the press allowed to do its job?

The McCain campaign has made some untested claims about Palin, including one about how she has fought earmarks. The evidence points to the opposite truth. The state where she is Governor, Alaska, received \$155 million in federal earmark money in 2008, which equates to \$231 per resident — more than any other state.

Palin appears to be no fiscal conservative. She supported and welcomed the "Bridge to Nowhere" before it became clear that it wouldn't be awarded. After the bridge option fell through, Congress still offered Alaska the money, which she accepted. In fact, even after it had been nationally maligned as an example of government pork, she said that she would "not allow the spinmeis-

ters to turn this project or any other into something that's so negative."

Information from the Tax Foundation (www.taxfoundation.org) shows that Alaska received \$1.84 from the government for every dollar in taxes paid in 2005, the most recent year of data. The state also ranks first in federal spending per resident. This contrasts with the state's status as having the lowest state and local tax burden in the nation.

At first, I thought Sarah Palin was a good pick for John McCain. She has a reputation for getting things done, and has consistently defied expectations. However, once I looked at the record, I saw just another politician. Palin obviously has ambition, but she has also consistently warped her positions and her campaigning to fit what was politically expedient.

Her history as mayor of Wasilla concerns me. While she didn't demand that books be banned, as was previously noted, she did inquire about the issue. When she took office, she placed a gag order on the city department heads and

eventually fired most of them, according to a Time Magazine article. She brought national wedge issues to a local campaign, and divided the small town.

Forget the media circus and the allegations. Just watch the campaign. What really irks me is the blatant lies and distortions.

What bothers me is the diversion from the issues. What annoys me is the flippancy and the trivializing of facts. What troubles me is what the selection of Sarah Palin says about John McCain.

I don't care who you vote for. If you want to vote for McCain, go for it. Same for Obama, and Barr, and Nader, and McKinney, and whoever else might be on the presidential ballot. But do me a favor: be informed. You owe your country. Look hard at the candidates.

People like Sarah Palin are definitely new and different. That's great. Now look behind the facade. Is there any substance? If I compare the presidential tickets, I don't see Sarah Palin and John McCain representing anything new. To me, McCain-Palin pales in comparison.

Political "Real Speak" | The Oredigger cuts through political spin to find the real story

Matthew Pusard
Content Manager

Do you know how to tell if a politician is lying to you? There is an easy test for this. Are his lips moving?

This is a blanket generalization, but the point remains that the political realm is often full of half-truths, misleading statements, and, sometimes, bold-faced lies. The following are eight recent statements and issues, four about each presidential campaign, which I researched for validity. Read closely because some things are technically true, but context affects them drastically.

McCain/Palin:
True — Senator John McCain (R-AZ) said that the economy was not his strong suit

One of Obama's most recent attack ads depicts John McCain as being weak on the economy. According to Polifact.com¹, McCain has admitted to not being as strong on the economy. However, he also stated that while he is not as strong on the economy, he is still knowledgeable about it.

True — Senator McCain has voted with George W. Bush 90% of the time

Obama's claim from his acceptance speech at the Democratic National Convention was spot on, according to Media Matters².

However, there was fluctuation in that total over the years. For example, McCain and Bush agreed just 77% of the time in 2005 and as much as 95% of the time in 2007. Since Obama is trying to paint a McCain presidency as a third term of Bush, this fact strengthens his case.

True — Governor Palin stated that she was proud of her daughter's "decision" to have her baby

In an odd development to the campaign, the media revealed Bristol Palin's pregnancy a few scant days after her mother's selection as McCain's running mate. Whether or not it is relevant, her mother's response to the revelation is noteworthy. According to Fox News³, a statement from Palin said that the family would give her love and support and she lauded Bristol's "decision". It is a curious statement considering that Gov. Palin is staunchly pro-life⁴. Why does Bristol get a choice, but Sarah opposes that right for others? It could simply be a poor choice of

words, but it still thought-provoking nonetheless.

False — Governor Sarah Palin (R-AK) was always against the Bridge to Nowhere

To paraphrase John Kerry, Palin was for the Bridge to Nowhere before she was against it. In her RNC speech, she stated that she said, "Thanks, but no thanks" to the \$400 million bridge to an island with a population of 50. However, according to Polifact.com⁵, she was for it during her campaign for governor. Ultimately, the bridge project was cancelled by Palin, but Alaska had already received the funding for it and never gave it back.

Obama/Biden:
True — Senator Barack Obama (D-IL) said, "You can put lipstick on a pig, but it's still a pig"

The full line, according to Politico.com⁶, is, "You can put lipstick on a pig. It's still a pig. You can wrap an old fish in a piece of paper called change. It's still gonna stink. We've had enough of the same old thing." Obama has received flak from the McCain campaign,

calling it a sexist remark towards Palin, citing that Palin used a line about lipstick and pit bulls at her Republican National Convention speech. But, according to the Chicago Tribune⁷, McCain himself has previously used the same line to refer to the reforms made by Sen. Hillary Clinton.

False — Senator Obama will raise taxes on everyone

Many democratic candidates are branded with the "tax-and-spend liberal" tag, but it isn't always necessarily true. Barack Obama's website claims that Obama will lower taxes for 95% of the population and has published a comprehensive tax plan detailing it⁸. His loftiest claim is that no family making under \$250,000 will see their taxes increase. This contrasts with John McCain's plan, which lowers taxes for everyone, but to a lesser degree for incomes of \$112,000 and below⁹.

True — Senator Joe Biden

7 <http://www.chicagotribune.com/news/nation-world/chi-campaign-lipstick-sep11.0.2295346.story>

8 http://www.barack-obama.com/pdf/taxes/Factsheet_Tax_Plan_FINAL.pdf

9 <http://www.snopes.com/politics/obama/taxes.asp>

(D-DE) is one of the least wealthy US senators

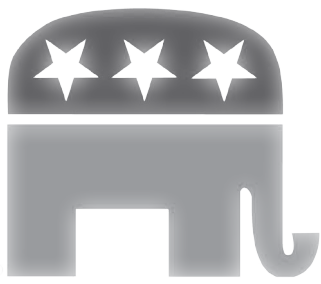
McClatchy Newspapers¹⁰ states that Joe Biden's recently released his tax returns and his family ranks as one of the least wealthy senators. In a campaign in which each side is trying to paint the other as out of touch or elitist, this fact could help Biden's perception as an everyman, along with his long commutes back home at night to be with his family. That being said, he still made \$319,853 last year, enough to meet Obama's own upper class definition.

False — Senator Obama wants to teach comprehensive sex education to kindergarteners

This claim off of a recent McCain attack ad greatly distorts reality. According to factcheck.org¹¹, this smear originates from a bill in the Illinois Senate that would allow age-appropriate sex education from K-12 schools to, in part, combat pedophiles. But the bill did not pass and Obama was not a sponsor of the bill.

10 http://news.yahoo.com/s/mcclatchy/20080912/pl_mcclatchy/3043684

11 http://www.factcheck.org/elections-2008/off_base_on_sex_ed.html



LILY GIDDINGS/OREDIGGER



LILY GIDDINGS/OREDIGGER

1 <http://www.politifact.com/truth-o-meter/statements/333/>

2 <http://mediamatters.org/items/200808270008>

3 <http://www.foxnews.com/wires/2008Sep01/0.4670.CVNPalinDaughter.00.html>

4 <http://civilliberty.about.com/od/profiles/p/sarah-palin.htm>

5 <http://politifact.com/truth-o-meter/statements/680/>

6 <http://www.politico.com/blogs/bensmith/0908/ObamaLipstickOnAPig.html>

Men's soccer team ranked 2nd in Central Region

Elise Goggin
Staff Writer

In the last two weeks, the Colorado School of Mines Men's Soccer Team made the NSCAA/Adidas Division II Top 25 Poll coming in at #16 in the nation and were also ranked second in the Central Region. This is a tremendous accomplishment, and it left the boys with some pretty big shoes to fill.

They showed that they were up for the challenge two weekends ago when they

upset the number two team in the nation, Midwestern State (TX). In the first half, the CSM defense controlled the game, only allowing Midwestern one shot on goal. With five minutes to go in the half, senior midfielder Grant Manthey found the back of the net, putting the Orediggers in the lead. In the second half, Midwestern was able to tie it up, but freshman midfielder Chike Sullivan's goal in the 86th minute put Mine's back on top, and the game ended 2-1. Coach Frank Kohlenstein credits the win to the team's hard work and said, "We came out

ready to play."

Unfortunately, the spark that had ignited against Midwestern couldn't be found the next night against #14, West Texas A&M. The team came out flat, and the result was a 2-0 loss that left them with a little more humility. Captain Cameron Brown said, "We just didn't bring it." And as one might imagine, he also noted that "the bus ride home wasn't very fun."

The men are confident that they will be a tough team to beat.

On last Friday night, the Orediggers started off conference play in a match against Regis University. Coach Kohlenstein wanted to "take care of the business that [they] didn't take care of last week," but the men came up a little short. Under the lights at Mines's home field, Regis was the first to score in the 81st minute of the game, but it didn't take long for CSM to catch up. Sophomore defender Jacob Juette scored on an assist by junior midfielder John Moseley just one minute later, bringing the frozen fans to their feet. Unfortunately, neither team was able to find the net again and the game ended in a 1-1 tie

after a double overtime.

After the tie with Regis, CSM's overall record was 2-1-1. Their second RMAC match was on Sunday when they faced off against rival Metro State. Metro State won, 2-1, changing the overall record to 2-2-1.

So far the season has been somewhat of a rollercoaster. Unfortunately this is exactly what Coach Kohlenstein wanted to avoid. Last season was full of ups and downs, but this season he would like his team to "get on a plateau and stay up there, or if anything, keep on rising up." To accomplish this goal, "the team needs to be ready to play mentally, emotionally, and physically," said Cameron Brown. The RMAC is an extremely strong soccer conference, but the men are confident that they will be a tough team to beat.

They are one of the most successful athletic programs at CSM and they know what they need to do to get the job done. Make sure to get out and see the Men's soccer team play this season because this team is going to the top and they plan on staying there.



SHACOLE NEWBY / OREDIGGER

Broncos one of few teams looking strong in AFC

Matthew Pusard
Content Manager

It took one week for the entire AFC to turn upside down.

The Patriots lost reigning MVP Tom Brady to an ACL and MCL tear for the entire season.

The Colts lost to an offenseless Bears team while their own offense looked old and banged up.

The Chargers lost a close game to the Panthers and then lost Shawne Merriman for the season.

Just like that, the three strongest forces in the AFC had gigantic question marks surrounding them, promising to make it a very interesting season. That opened the door for a surprisingly potent Denver Broncos team.

It was only one week, but the Broncos offense looked like the most potent in the league. Jay Cutler and rookie wide receiver Eddie Royal cut up the Oakland Raiders for 41 points. Royal, who has earned the moniker of "Mr. Clean" from his teammates for his straight-laced personality and impeccable integrity, posted the sixth-best NFL debut for a wide receiver with 146 yards receiving, behind the NFL-record 217 yards Anquan Boldin posted in 2003. Cutler also impressed with his 299 yards with 2 TDs, leading to a 137.5 QB rating, second-best in week 1. What makes it all the more impressive is that the Broncos were without starting wideout Brandon Marshall due to a suspension.

The question is whether the Broncos are that good or the

Raiders were that bad. The Raiders have been a dysfunctional team since 2003, posting a 19-62 record since 2003. But that means they have gotten some of the best picks in the draft since then, including JaMarcus Russell and Darren McFadden in the past two years. Yet their best position is cornerback, with Pro Bowlers Nnamdi Asomugha and DeAngelo Hall leading the way. For the Broncos passing game to make them look foolish lends credibility to the team, even if the rest of the Raiders squad is subpar.

Regardless of the outcome of the week 2 San Diego game, the Broncos are looking at a much easier schedule due to injuries. The Patriots without Brady will play the Broncos in week 7 and the Broncos play San Diego again in week 17. Jacksonville also looks less potent than last year after a low-scoring loss to the Tennessee Titans. Before, those looked like unwinnable matchups, but hurt and underachieving superstars have leveled the playing field.

Emerging stars on the Broncos have leveled the playing field as well. With Royal's breakout, teams will be less inclined to double-cover Brandon Marshall and that will lead to some touchdowns because of Marshall's incredible size and speed. Combined with the still-improving Cutler, the Broncos offense could echo that of last year's Colts or Saints. It's too soon to tell on the defense, although the unit shut out the Raiders for 3 quarters, but if nothing else, the Broncos will be competitive in 2008.

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Fool's Gold

“Colorado is for Swingers”



Truth behind Genius Juice ○ — sudoku — ○

Student secretions revealed as the secret

Benjamin M. Weilert
Sweatpants Enthusiast

With its appearance a few years ago, Genius Juice has been a healthy alternative to soft drinks offered at free food functions. Many people have assumed the bottled water was produced the same way that all other bottled waters are: a garden hose. Unfortunately, the truth behind Genius Juice is much more disturbing.

Each week, Mines students of various disciplines and backgrounds take strenuous exams to test their knowledge of the subject matter at hand. Understandable byproducts of these exams are the sweat and tears of the students. Collected and bottled, this is the basis on which Genius Juice is made.

“Most students don’t realize that every room on campus slants towards one corner,” says Genius Juice creator, Brian Frieze. “During every test, the students’ secretions make their way to a drain in the corner of the room. All of these drippings are then collected and processed into Genius Juice.” In order to hide the salty origins of the drink, the collected fluids must be processed through many stages including desalinization, homogenization, ionization, and purification. The resulting concoction is the concentrated anguish and frustration of

Mines students.

Tenured student, I.B. Faylen commented on the mysterious properties of the drink, “After every test I’ve taken, I feel as though I’ve lost some of my intelligence. However, when I drink Genius Juice before an exam, I don’t feel as though I’ve lost as much of my brain.” This observation led to testing.

Using laboratory mice, the side effects of Genius Juice were examined. Compared to the control, mice who regularly drank Genius Juice exhibited symptoms that are

all too familiar to Mines students. The most astonishing result were the mice that drank Genius Juice and raised their IQ’s by an average of 23 points, making the mice as smart as Alaskan salmon. These same mice, unfortunately, acquired side-effects including acne, alcoholism, sensitivity to ultraviolet light, fear of the opposite sex, and the uncontrollable urge to curl into a fetal position in the darkest corner of the cage.

The lead scientist of the investigation commented, “These are amazing results, but what I find most interesting are the statistics on the decomposition of the fluid.” Certain exams will provide more stress for students, and thus make for a larger percentage of the collected secretions. “Chemistry is the lead producer at 28%, followed closely by Physics at 23% and Physical Activity at 20%.” The least amount of product came from the Liberal Arts department, with a total combined contribution of 9%.

Little has been said about marketing Genius Juice as a temporary intelligence booster, but the idea has been explored. Plans are underway to install vending machines with Genius Juice at both the University of Colorado at Boulder and Colorado State University campuses. CU and CSU refused to comment on whether they would accept the machines.

Nutrition Facts	
Serving Size 1 exam (228?g)	
Servings Per Container 2	
Amount Per Serving	
Calories 250	Calories from Fat 110
% Daily Value*	
Physics 12g	23%
Physics I 3g	10%
Physics II 3g	13%
Liberal Arts 6g	10%
Physical Activity 20g	20%
Chemistry 31g	28%
Chemistry I 2g	14%
Chemistry II 5g	14%
CSM 101 0g	0%
Blood	10%
Sweat	35%
Tears	40%
Vitamin A	4%
*Percent Daily Values are based on a 2,000 GPA diet. Your Daily Values may be higher or lower depending on your social needs.	

BENJAMIN M. WEILERT / OREDIGGER

Genius Juice. Not an adequate source of good English skills

	8		1	6			3	
1			5					
		5			7		8	4
	3					5	7	1
		1		7		2		
7	4	9					6	
3	1		7			8		
					6			3
	7			2	1		5	

Puzzle by websudoku.com

○ — solution — ○

4	8	1	9	3	7	5	6	2
3	6	2	4	8	5	9	7	1
7	9	5	1	6	2	8	3	4
2	3	7	8	5	4	6	1	9
1	4	8	3	9	6	7	2	5
6	5	9	2	7	1	4	8	3
9	7	6	5	1	3	2	4	8
5	2	3	6	4	8	1	9	7
8	1	4	7	2	9	3	5	6

Puzzle by websudoku.com



COURTESY MINES ATHLETICS

Jeff Duggan. The military wants its haircut back.

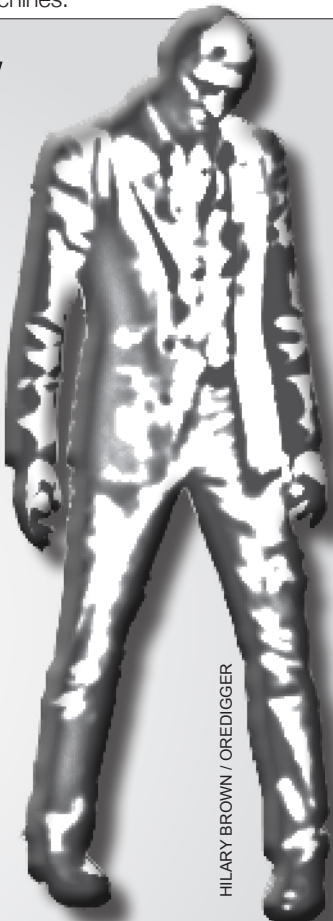
Hollywood will only produce B-movies

Tim Weilert
Writer of the Living Dead

In a move that shocked thousands, and caused others to grunt, growl and shuffle about the streets, CEOs from every single Hollywood production agency announced that they will no longer create full feature films. The universal move toward the nostalgic “B-movie” genre was necessary after zombies ate the brains of most of the Writer’s Guild of America last spring. News Corporation founder Rupert Murdoch claimed that he decided to make the switch to B-movies after he had a run-in with an axe murderer. “I kept telling myself, just go back outside, don’t go through that door, just run away,” said Murdoch, “But it turned out that the so-called ‘axe murderer’ was nothing more than an escaped

B-movie purists... claim that this has been just another studio attempt to make more money at the cost of film integrity.

convict hired by writer’s unions to pitch the new idea to me. He really gave a convincing presentation.” Another factor that played into the change was money. Studios, in an attempt to cut costs, hired vampires, killer robots and space invaders to eat, discombobulate and abduct popular Hollywood celebrities. “One of the big costs in shooting a feature length production these days is getting the big names,” said Sony Pictures talent agent Pat Breach. “We can hire the guys loitering out in front of 7-11 for a lot less than it costs to get Brad Pitt or Matt Damon. In fact, most of the actors we hire usually just end up getting killed in inventive ways.” B-movie purists, such as “Grindhouse” creators Quentin Tarantino and Robert Rodriguez, condemned the action, claiming that this has been just another studio attempt to make more money at the cost of film integrity. Their



HILARY BROWN / OREDIGGER

full interviews would be quoted in this article, but the film reels were lost during post-production. [Insert gratuitous sex scene here] The protagonist in this story of Hollywood drama has been the American public. So far in the story they have survived, and will likely last until the end of the ordeal, but hopefully not long enough to see a sequel.

Big man on campus

Mike Stone
Sports Enthusiast

Roaring past Western New Mexico on Saturday afternoon, the Orediggers football team won their third game of the season 35-28. Somewhere within the student section, speakers blasted pump-up and crowd-pleasing music for all to hear. Students jumped, stomped, clapped, and laughed to every song and movie quote that played as Jeff Duggan clapped himself.

The Sports Information Director (SID) for Mines Varsity Athletics, Jeff marks his fifth year as SID at Mines. With a great background, he has to monitor all public relations for varsity sports including what may go out over the air waves at football games. ENTER STUDENT SECTION MUSIC.

An un-named student by the name of Dave Blackham brings his own speakers and computer to football games each Saturday to keep the crowd fired up. “There’s just not enough school spirit and if this is what it takes to get butts in the seats, it’s worth paying off security to let me in,” reported Dave. Dave’s music competes with the cheerleaders, the

Mines Band and the announcer’s booth. “I let everyone get a chance to do their thing. I just need a little nod if it’s their turn to go.” From AC/DC and Journey to Kanye West and Disturbed, Dave plays whatever the crowd needs to stay alive for the players on the field. Given the unmonitored nature of the music, Jeff Duggan has to make sure there is nothing offensive in the

“I let everyone get a chance to do their thing. I just need a little nod if it’s their turn to go.”

content. “We’ve got grandparents and little kids in the stands, so the last thing we need is foul language,” explained Duggan.

Dave retorted, “I don’t play anything [expletive deleted] offensive. I only play [expletive deleted] edited versions of songs and [expletive deleted] original movie quotes.” Dave then punched an old woman in the face and took candy from a baby. “Well, as long as he can guarantee me there’s nothing bad in there, I don’t want to spoil the intensity of the student section,” offered Duggan. *There*, on that fateful Saturday, for the first time in School of Mines history, a paid employee completely trusted the word of a student. Jeff Duggan is the coolest man on campus. No joke. Thank you, Jeff.

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09-09-08
Career Fair
9:30 AM – 4:00 PM
at Student Recreation Center

09-15-08
J. Michael Yeager, Group Executive,
Chief Executive Petroleum
Recruitment Presentation
11:00 AM – 11:45 AM
at Student Center Ballrooms A-C

09-15-08
Executive Lecture Series
J. Michael Yeager, Group Executive,
Chief Executive Petroleum
*Resourcing The Future: The Keys
to Opening New Doors
in the Petroleum Industry*
12:00 PM – 1:00 PM
at Student Center Ballrooms A-C

09-21-08
DiggerNet – Resume Drop Deadline
12:00 Midnight

10-06-08 & 10-07-08
On-Campus Interview
Pre-Selected via DiggerNet
at Carrer Center



▶ **BORN IN AUSTRALIA.**
RECOGNIZED THE WORLD OVER.

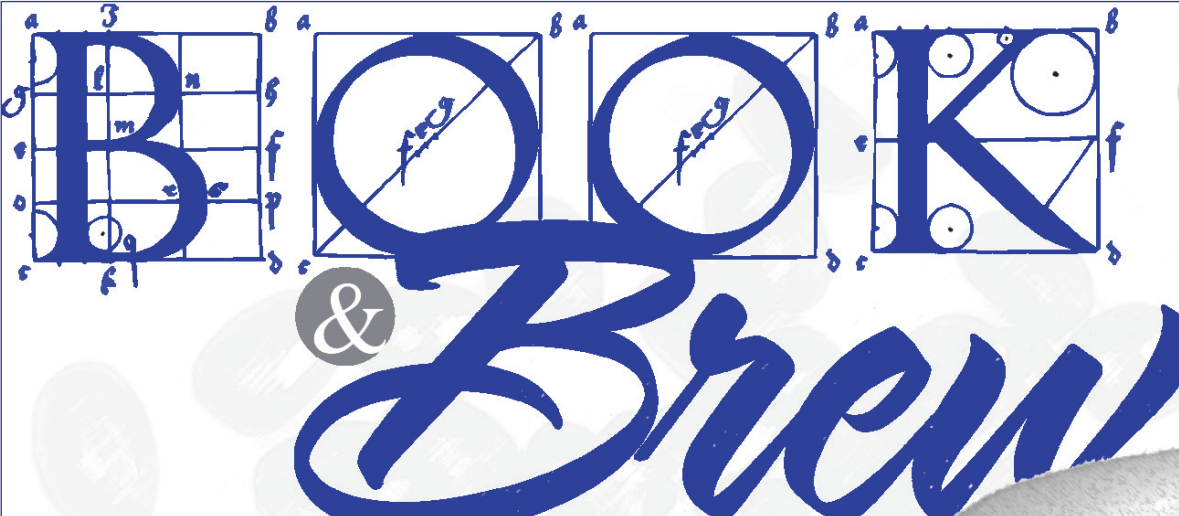
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A NEW BREED OF PETROLEUM COMPANY.**

BHP Billiton was founded in Australia. But our petroleum business is at home all over the world. Our Petroleum division is headquartered in Houston, Texas, with operations in six countries around the globe. We also recently have acquired new exploration acreage in five additional countries greatly expanding our presence and growth potential. But no matter where we go or how large we get, behind it all is a diverse international team of professionals across a variety of disciplines focused on a single mission – to keep the energy moving.

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